

METHOD AND DEVICE FOR CANCELING NOISE

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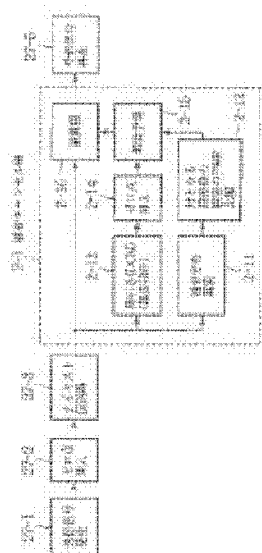
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Abstract of JP 2003008521 (A)

PROBLEM TO BE SOLVED: To provide a method and device for canceling noise for power line carrier communication or the like that adaptively selects a band to an actual noise to cancel noise and enhances the S/N to enable high-speed communication. SOLUTION: A zero point insert section 27-2 inserts a zero point signal to prescribed positions of signals sent from a transmission signal generating section 27-1 and the resulting signal is sent to a transmission line 27-3. A receiver side uses an interleave section 2-13 to extract a noise component from the zero point signal, uses a noise distribution identification section 2-11 to identify a noise distribution from a silence signal period of a received signal, a noise prediction section 2-15 extracts a greater frequency band of the noise components having frequencies in pairs generated by the insertion of the zero point signal according to a comparison result by a pair frequency estimate power comparison section 2-12 to predict noise. A subtractor section 2-16 eliminates the predicted noise from the received signal to cancel the noise.

本発明の録音信号処理を行う雑音キャンセリング装置の構成ブロック図



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